# BRUHAT BANGALORE MAHANAGARA PALIKE

## EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

**Name of work:Formation of Internal Roads,Leveling and Lowering of Mallasandra Waste Disposable site in Sy No.33 in ward No.13**

JOB NUMBER.: | Est. Amount = | 50.00 | Lakhs

| Sl. No | Description of Work | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1(I.tm No.2.1, P.No.5, SR:2016-17) | | | | | | | | |
| | **Cutting** | | | | | | | | |
| | **Swimming Pool** | | | | | | | | |
| | A10 | Cum | 1 | 20.00 | 20.00 | 6.62 | 2646.00 | | |
| | A11 | | 1 | 90.45 | 22.52 | 2.34 | 4766.58 | | |
| | A12 | | 1 | 40.00 | 20.00 | 3.48 | 2781.60 | | |
| | | | | | | **Total Qty** | **10194.18** | **166.42** | **1696515.44** |
| 2 | KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305 (I.tm No.19.60, P.No.148, SR:2016-17) | | | | | | | | |
| | **Filling** | | | | | | | | |
| | **Block1** | | | | | | | | |
| | | | 1 | As Per Volume Sheet | | | 2182.00 | | |
| | For Ampi Theater | | | | | | | | |
| | **Approach Road** | | | | | | | | |
| | Block1 | Cum | 1 | 10.20 | 5.80 | 0.30 | 17.75 | | |
| | Block2 | | 1 | 12.00 | 5.80 | 0.30 | 20.88 | | |
| | Block3 | | 1 | 11.60 | 5.60 | 0.30 | 19.49 | | |
| | Block4 | | 1 | 5.70 | 5.60 | 0.30 | 9.58 | | |
| | Block5 | | 1 | 7.10 | 5.60 | 0.30 | 11.93 | | |
| | Block6 | | 1 | 1.70 | 4.60 | 0.30 | 2.35 | | |
| | Block7 | | 1 | 6.00 | 3.50 | 0.30 | 6.30 | | |
| | Block8 | | 1 | 2.00 | 5.70 | 0.30 | 3.42 | | |
| | | | | | | **Total Qty** | **2273.69** | **320.12** | **727852.36** |
| 3 | Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No,-140, I.No.-19.10 of KPWD S.R 2016-17). | | | | | | | | |
| | **CC Road** | | 1 | 68.50 | 7.30 | 0.40 | 200.02 | | |
| | In front of mustering center | | | | | | | | |
| | **Approach Road** | | | | | | | | |
| | Block1 | | 1 | 10.20 | 5.80 | 0.50 | 29.58 | | |
| | Block1 | | 1 | 12.00 | 5.80 | 0.50 | 34.80 | | |
| | Block2 | | | | | | | | |



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| Sl. No. | Description of Work | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | Block3 | Cum | 1 | 11.60 | 5.60 | 0.50 | 32.48 | | |
| | Block4 | | 1 | 5.70 | 5.60 | 0.50 | 15.96 | | |
| | Block5 | | 1 | 7.10 | 5.60 | 0.60 | 23.86 | | |
| | Block6 | | 1 | 1.70 | 4.60 | 0.60 | 4.69 | | |
| | Block7 | | 1 | 6.00 | 3.50 | 0.60 | 12.60 | | |
| | Block8 | | 1 | 2.00 | 5.70 | 0.60 | 6.84 | | |
| | | | | | | Total Qty | 360.83 | 170.92 | 61672.72 |
| 4 | KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications(Page No,-149, I.No.-19.64 of KPWD S.R 2016-17) | | | | | | | | |
| | CC Road | Sqm | | | | | | | |
| | In front of mustering center | | 1 | 68.50 | 7.30 | | 500.05 | | |
| | Approach Road | | | | | | | | |
| | Block1 | | | | | | | | |
| | Block1 | | 1 | 10.20 | 5.80 | | 59.16 | | |
| | Block2 | | 1 | 12.00 | 5.80 | | 69.60 | | |
| | Block3 | | 1 | 11.60 | 5.60 | | 64.96 | | |
| | Block4 | | 1 | 5.70 | 5.60 | | 31.92 | | |
| | Block5 | | 1 | 7.10 | 5.60 | | 39.76 | | |
| | Block6 | | 1 | 1.70 | 4.60 | | 7.82 | | |
| | Block7 | | 1 | 6.00 | 3.50 | | 21.00 | | |
| | Block8 | | 1 | 2.00 | 5.70 | | 11.40 | | |
| | | | | | | Total Qty | 805.67 | 5.30 | 4270.05 |
| 5 | KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406. (Page No. 158, It No. 20.8 of KPWD S.R 2016-17 ) | | | | | | | | |
| | CC Road | Cum | | | | | | | |
| | In front of mustering center | | 1 | 68.50 | 7.30 | 0.15 | 75.01 | | |
| | Approach Road | | | | | | | | |
| | Block1 | | | | | | | | |
| | Block1 | | 1 | 10.20 | 5.80 | 0.15 | 8.87 | | |
| | Block2 | | 1 | 12.00 | 5.80 | 0.15 | 10.44 | | |
| | Block3 | | 1 | 11.60 | 5.60 | 0.15 | 9.74 | | |
| | Block4 | | 1 | 5.70 | 5.60 | 0.15 | 4.79 | | |
| | Block5 | | 1 | 7.10 | 5.60 | 0.15 | 5.96 | | |
| | Block6 | | 1 | 1.70 | 4.60 | 0.15 | 1.17 | | |
| | Block7 | | 1 | 6.00 | 3.50 | 0.15 | 3.15 | | |
| | Block8 | | 1 | 2.00 | 5.70 | 0.15 | 1.71 | | |
| | | | | | | Total Qty | 120.85 | 1768.08 | 213673.35 |
| 6 | KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2.(P.No-12,I No-4.2 SR 2016-17) | | | | | | | | |



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| Sl. No | Description of Work | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate In Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | CC Road | | | | | | | | |
| | In front of mustering center | | 1 | 68.50 | 7.30 | 0.15 | 75.01 | | |
| | Approach Road | | | | | | | | |
| | Block1 | | | | | | | | |
| | Block1 | | 1 | 10.20 | 5.80 | 0.15 | 8.87 | | |
| | Block2 | | 1 | 12.00 | 5.80 | 0.15 | 10.44 | | |
| | Block3 | Cum | 1 | 11.60 | 5.60 | 0.15 | 9.74 | | |
| | Block4 | | 1 | 5.70 | 5.60 | 0.15 | 4.79 | | |
| | Block5 | | 1 | 7.10 | 5.60 | 0.15 | 5.96 | | |
| | Block6 | | 1 | 1.70 | 4.60 | 0.15 | 1.17 | | |
| | Block7 | | 1 | 6.00 | 3.50 | 0.15 | 3.15 | | |
| | Block8 | | 1 | 2.00 | 5.70 | 0.15 | 1.71 | | |
| | | | | | | Total Qty | 120.85 | 5348.76 | 646400.32 |
| 7 | KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3( I No-4.46.2,P No-17 SR 2016-17) | | | | | | | | |
| | Consider 7kg/Sqm for Road | Tonne | 305.6 | 7.00 | | | 2139.34 | | |
| | | | | 2139.34/1000 | | | 2.14 | | |
| | | | | | | Total Qty | 2.14 | 64243.42 | 137438.52 |
| 8 | KSRRB M600-2. Cement Concrete Pavement :- Construction of un- reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with 25mm and down size graded granite metal coarse aggregate with superplastisizer at 3lts conforming to IS 9103- 1999 reaffirmed 2008, (Coarse and fine aggregate conforming to IS:383) mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. MORTH Specification No. 602. - with M30 @ 360 Kg/cum Cement, C.A, 0.69 cum F.A. 0.46 cum(P.No-175,I No-22.2.1 SR 2016-17) | | | | | | | | |
| | CC Road | | | | | | | | |
| | In front of mustering center | | 1 | 68.50 | 7.30 | 0.15 | 75.01 | | |
| | For Ampi Theater | | | | | | | | |
| | Approach Road | | | | | | | | |
| | Block1 | | 1 | 10.20 | 5.80 | 0.15 | 8.87 | | |
| | Block2 | | 1 | 12.00 | 5.80 | 0.15 | 10.44 | | |
| | Block3 | Cum | 1 | 11.60 | 5.60 | 0.15 | 9.74 | | |
| | Block4 | | 1 | 5.70 | 5.60 | 0.15 | 4.79 | | |
| | Block5 | | 1 | 7.10 | 5.60 | 0.15 | 5.96 | | |
| | Block6 | | 1 | 1.70 | 4.60 | 0.15 | 1.17 | | |
| | Block7 | | 1 | 6.00 | 3.50 | 0.15 | 3.15 | | |
| | Block8 | | 1 | 2.00 | 5.70 | 0.15 | 1.71 | | |
| | | | | | | Total Qty | 120.85 | 7110.48 | 859305.06 |



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...ction of Internal Roads,Leveling and Lowering of Mallasandra Waste Disposable site in Sy No.33 in ward No.13

Detailed Estimate

| Sl. No | Description of Work | Unit | No | Dimension L | Dimension B | Dimension D | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (Page No.-177 I.No-22.7 of KPWD S.R 2016-17 ) | | | | | | | | |
| | CC Road | | | | | | | | |
| | Bhairaveshwar Layout | Sqm | | | | | | | |
| | Main Road | | | | | | | | |
| | Cross road 1 | | 1 | 74.00 | 6.00 | | 444.00 | | |
| | Cross road 2 | | 1 | 20.00 | 5.00 | | 100.00 | | |
| | | | 1 | 30.00 | 5.00 | | 150.00 | | |
| | | | | | | Total Qty | 694.00 | 95.40 | 66207.60 |
| | | | | | | | | Total Constrution cost | 4424350.85 |
| | | | | | | | | Design Report,Proof Checking & PMC Amount | 88,487.02 |
| | | | | | | | | KRDL Charges 11% | 4,86,678.59 |
| | | | | | | | | Sub Total | 49,99,516.46 |
| | | | | | | | | Miscellaneous & Rounding Off | 483.54 |
| | | | | | | | | Grand Total | 50,00,000.00 |

4413335.45
88366.70
485566.89
4987169.01
198836.99

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS * BANGALORE-90 *

Consultants
For Sri Sai Consultants

Assistant Engineer
Dasarahalli Project Division
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

ನಂ: 44/17-18 ದಿನಾಂಕ: 16/01/2018
ರೂ: FIFTY Lakhs only
50,00,000/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ನಂ. CE/DZ/PR/461/17-18 ದಿನಾಂಕ: 17/01/2018
ರೂ. Rs. 50.00 Lakhs only/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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